PROPRIETARY AND CONFIDENTIAL

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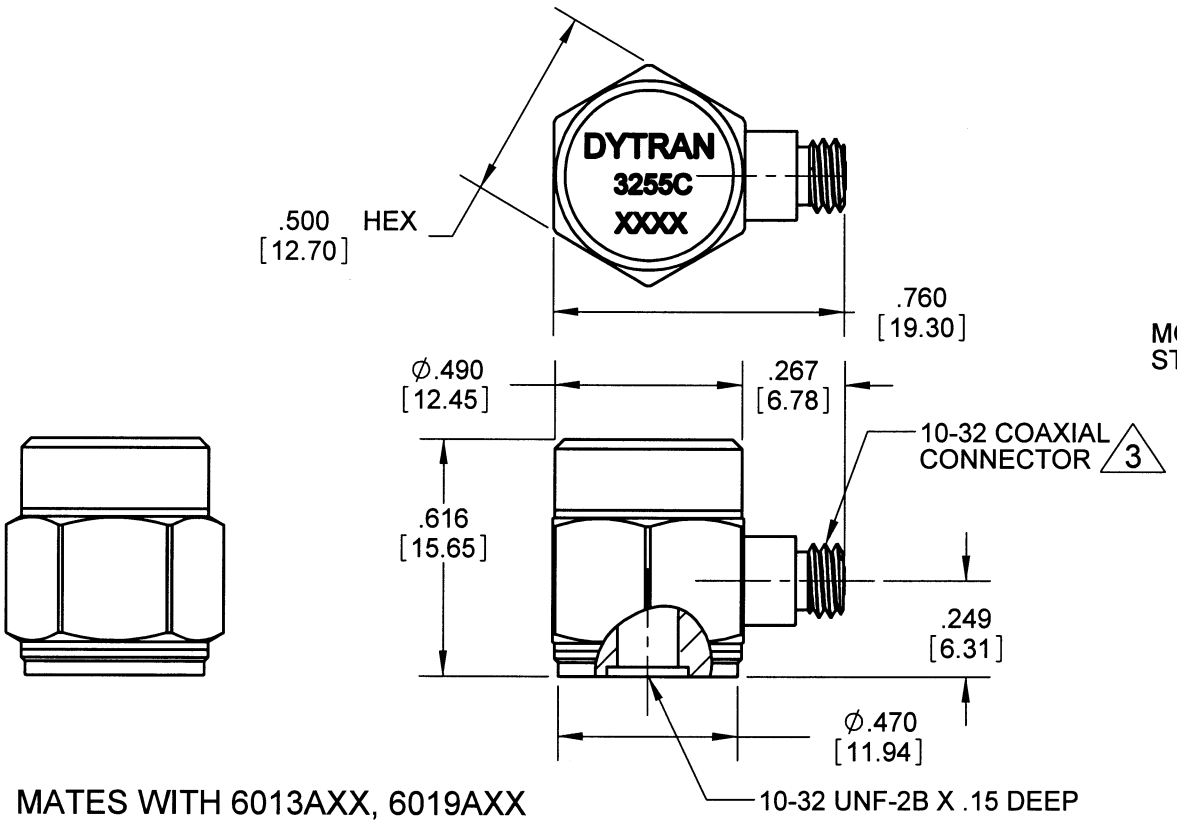
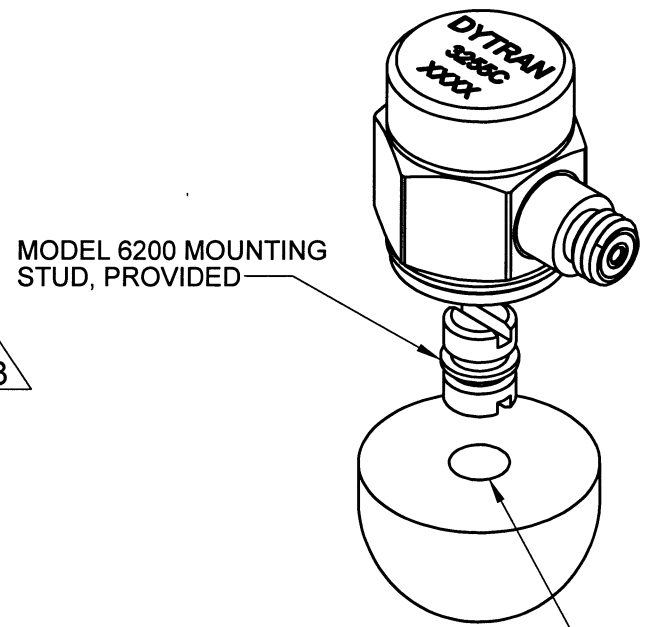
REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6230	SEE ECN	JS 09/10/09	RA	ANS





MOUNTING RECOMMENDATIONS:
PREPARATIONS: SELECT SURFACE
FLAT TO .001 TIR TAP
10-32 UNF-2B X .200 MIN THD DEPTH.
RECOMMENDED TORQUE: 10-12 LB-IN

△3 MATES WITH 6013AXX, 6019AXX

2. MATERIAL: TITANIUM

1. WEIGHT: 10 GRAMS APPROXIMATELY

NOTES: UNLESS OTHERWISE SPECIFIED.

3255C	
USED ON	NEXT ASSY

APPLICATION

THIRD ANGLE PROJECTION
USA

UNLESS OTHERWISE SPECIFIED:
INTERPRET DIM & TOL PER ASME Y14.5M - 1994.
REMOVE BURRS.
COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.
CHAM EXT THDS 45° TO MINOR DIA.
THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
THDS PER MIL-S-7742.
DIMENSIONS APPLY AFTER FINISHING.
ALL MACHINED SURFACES.
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS
TOLERANCES ARE:

INCHES	METRIC	ANGLES
.XX ± .03	.X ± 0.8	± 1°
.XXX±.010	.XX ±0.25	

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	RA	01/05/09
CHK	JS	01/07/09
APP	DV	01/07/09
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
OUTLINE/INSTALLATION, DRAWING, 3255C

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3255C	B

SCALE: 2:1 | SOLIDWORKS | SHEET 1 OF 1

MODEL NUMBER	PERFORMANCE SPECIFICATION	DOC NO.
3255C		PS3255C
	Accelerometer, Charge Mode	REV A, ECN 5676, 12/22/08

- **HERMETICALLY SEALED**
- **HIGH CHARGE OUTPUT**
- **ROBUST DESIGN**

		ENGLISH		SI	
PHYSICAL					
Weight		0.35	oz	10.0	grams
Mounting Internal Threac		10-32 UNF-2B		10-32 UNF-2B	
Connector [1]	Type	Coaxial		Coaxial	
	Material	Titanium		Titanium	
Housing	Material	Titanium		Titanium	
	Isolation	Case Grounded		Case Grounded	
Sensing Element	Material	Ceramic		Ceramic	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity, ± 15% [2]		15	pC/g	1.53	pC/m/s^2
Acceleration Range [3]		[3]	Gpeak	[3]	m/s^2 peak
Frequency Range		[5]-5000	Hz	[5]-5000	Hz
Resonance Frequency		32	kHz	32	kHz
Linearity [4]		±1	%	±1	%
Transverse Sensitivity Max		5	%	5	%
ENVIRONMENTAL					
Shock Max		3000	g pk	29430	m/s^2
Vibration Max		600	g pk	5886	m/s^2
Operating Temperature		-60 to +375	°F	-51 to +190	°C
Seal		Hermetic		Hermetic	
Magnetic Sensitivity at 100 Gauss		0.00007	g/Gauss	0.0006867	m/s^2/Gauss
Base Strain Sensitivity		0.05	g/με	0.4905	m/s^2/με
ELECTRICAL					
Capacitance, nom		975	pF	975	pF

This family also includes:

Model	Sensitivity (pC/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)

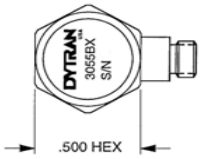
Please, refer to the performance specifications of the products in this family for detailed description

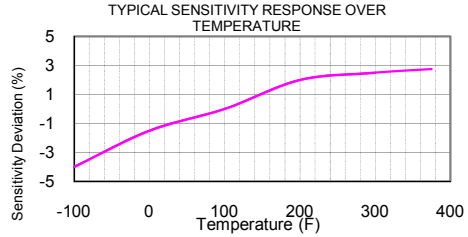
Supplied Accessories:

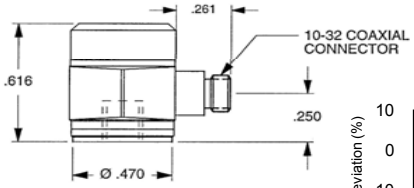
1) Model 6200 Mounting Stud
2) Accredited Calibration Certificate (ISO 17025)

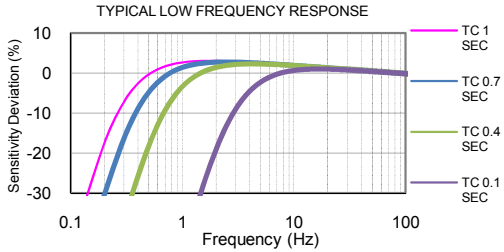
Notes:

[1] Mates with Dytran cable Model 6013AXX or 6019AXX(XX= Length in feet).
[2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
[3] Depends On the Gain Setting Of The Charge Amplifier Used
[4] Measured using zero-based best straight line method, % of F.S. or any lesser calibrated range.
[5] Low Frequency Response Is the Function Of the Discharge Time Constant Of The Charge Amplifier Used. Please, Refer To The Plot Below For Frequency Response For Different Time Constants









Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055B1 for more

DYTRAN INSTRUMENTS, INC.
21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880